ABERDEEN SCIENCE CENTRE

STEM

Learning Programme

2026 - 2027

Unleash the **Power** of Curiosity

Aberdeen Science Centre is a Scottish Charity, SC014922, regulated by the Scottish Charity Regulator (OSCR).

Planning your visit

Our dedicated and enthusiastic education team will support you from the moment you first get in touch to when you board your bus back to school.

Entry to Aberdeen Science Centre includes a two-hour visit with time on the exhibition floor as well as a show or workshop of your choice. We are able to accommodate two classes visiting ASC at the same time, with a maximum of 35 pupils per class. We also have areas for your class to eat their packed lunches that can be booked at no extra cost.

During your visit you are welcome to visit our shop where we have pocket money items available, teachers can also order a coffee from our onsite café to collect at lunch time. School staff planning a trip are welcome to visit ASC for a free teacher familiarisation visit, these must be booked in advance by getting in touch with the education team. For information on accessibility please get in touch or visit our website.

Costs

Education rates apply for visits at a cost of £6.50 (incl. VAT) per pupil. There is no charge for teachers and supporting adults up to a ratio of 1:3 for nursery to P3, and 1:6 for P4 and up. In addition to this, adults accompanying pupils with additional support needs can enter at a 1:1 ratio free of charge. Any adults entering above these ratios will be charged at £5.50 (incl. VAT) each. Some schools may qualify for help towards the cost of travel; we will let you know when you get in touch if this applies.

To book

Email: education@asc.scot
Call: 01224 640340
Please let us know:

- Which school are you from
- Your preferred workshop
- A selection of possible dates for your visit
- Your class and number of pupils

www.aberdeensciencecentre.org

Early level

Aberdeen Science Centre offers activities specifically designed for pupils working at early level. Pupils can investigate STEM concepts through a variety of activities including hands-on investigations.

Day and Night

In this interactive workshop pupils will discover the differences between day and night and how this is a result of the Earth's rotation and orbit around the Sun. Working together, pupils will investigate the phases of the moon.

SCN 0-06a

Robotic Explorers

Introduce your pupils to simple programming in this fun and interactive workshop! Pupils will develop directional language, sequencing and thinking skills.

TCH 0-01a, 0-14a, 0-15a and MTH 0- 17a

Wee Scientists

Inspire your little explorers and scientists! Help our experts with some different experiments and use your senses to report on what happened!

SCN 0-12a

Feel the Forces

Working in small groups, pupils will observe and discover different forces. This fun and interactive workshop uses a variety of toys and magnets.

SCN 0-07a

VR EXPERIENCE

Aberdeen Science Centre has introduced VR to a selection of our school workshops. Suitable for P3+ the VR content will last approx. 15 mins, forming part of your workshop. Get in touch at education@asc.scot to book.

Erupting Volcanoes

For classes P3+ Travel into an immersive world and see inside a magma chamber, look at the plates of the Earth's crust, and experience what life is like living next to an active volcano! Groups of pupils will then work together to erupt their own volcanoes in our lab.

Our Community Energy

For second level classes. Pupils will explore Aberdeen's energy mix in our Theatre of Energy, and aim to keep Aberdeen powered up in the energy mix game. Pupils will also have the chance to explore some local energy related facilities using our VR headsets.

Amazing Bodies

For second level classes. Pupils will explore skeletons and how our muscles work then journey into the human body using our VR headsets to investigate the circulatory system, shrinking down to travel through our veins.

Solar System Adventure

For classes P3+ Get a close up look at the planets on board our space station, then step out of the air lock to explore the solar system. After the VR content, pupils will create their own pocket map of the solar system to take home to remind them of the trip.

Space for Planet Earth

For second level classes. Become an Antarctic researcher in our VR experience and then find out how scientists use satellites to help monitor climate and biodiversity in our Lab.

Sponsored by:

MERMAID Silver Sponsor

ETZ Bronze Sponsor

First - Third Level

Our diverse and exciting STEM Learning Programme gives you the option of several Curriculum for Excellence linked workshops and experiences. Each option is tailored to different levels and covers a range of STEM subjects. If you would like advice on which workshop might best suit your current topic, please get in touch with our education team via email education@asc.scot

Curriculum for Excellence Levels

First Second Third VR option available

Amazing Bodies

Step into the captivating world of human anatomy with our workshop, where pupils will explore the different parts of our body from bones and muscles, to organs and discover how they work. VR option available for P5-7 classes where you can explore the circulatory system in VR as part of the workshop.

SCN 1-12a, HWB 1-47b, and SCN 2-12a

Inheritance Detectives

Get ready for a 'gene'ius workshop, pupils will be introduced to ideas of inherited characteristics and variations within species. Second Level pupils will explore the inheritance of characteristics in offspring by combining genes to make their own fictional animal, the Reebop.

SCN 1-14a, SCN 2-14b

How to make the Perfect Poo

This hands-on show takes pupils on a journey following the passage of food through the digestive system. Sticky, fun and educational!

SCN 1-12a, SCN 2-12a, HWB 2-15a, HWB 2-28a, HWB 2-30a

Robot Playground

Put your pupils' creativity and problem solving skills to the test! Working in small groups pupils will build and code LEGO models to tackle a variety of problems. Supported by New Park Educational Trust.

TCH 1-09a, TCH 1-14a, TCH 1-15a, TCH 2-09a, & TCH 2-14a

Robotic Explorers

Introduce your pupils to simple programming in this fun and interactive workshop! Pupils will develop directional language, sequencing and thinking skills. TCH 1-01a, 1-14a, and 1-15a

Feel the Forces

Get ready to be pulled into a world of fun in this interactive workshop where pupils will investigate different forces and observe their effects.

SCN 1-07a, SCN 1-08a

Ingenious Engineers

Are your class our future engineers? Pupils will explore engineering and it's disciplines by working in groups to design solutions and build prototypes based on a brief. Supported by ABZ Propellor Fund

TCH 1-12a, TCH 2-09a, & TCH 2-12a

Solar System Adventure

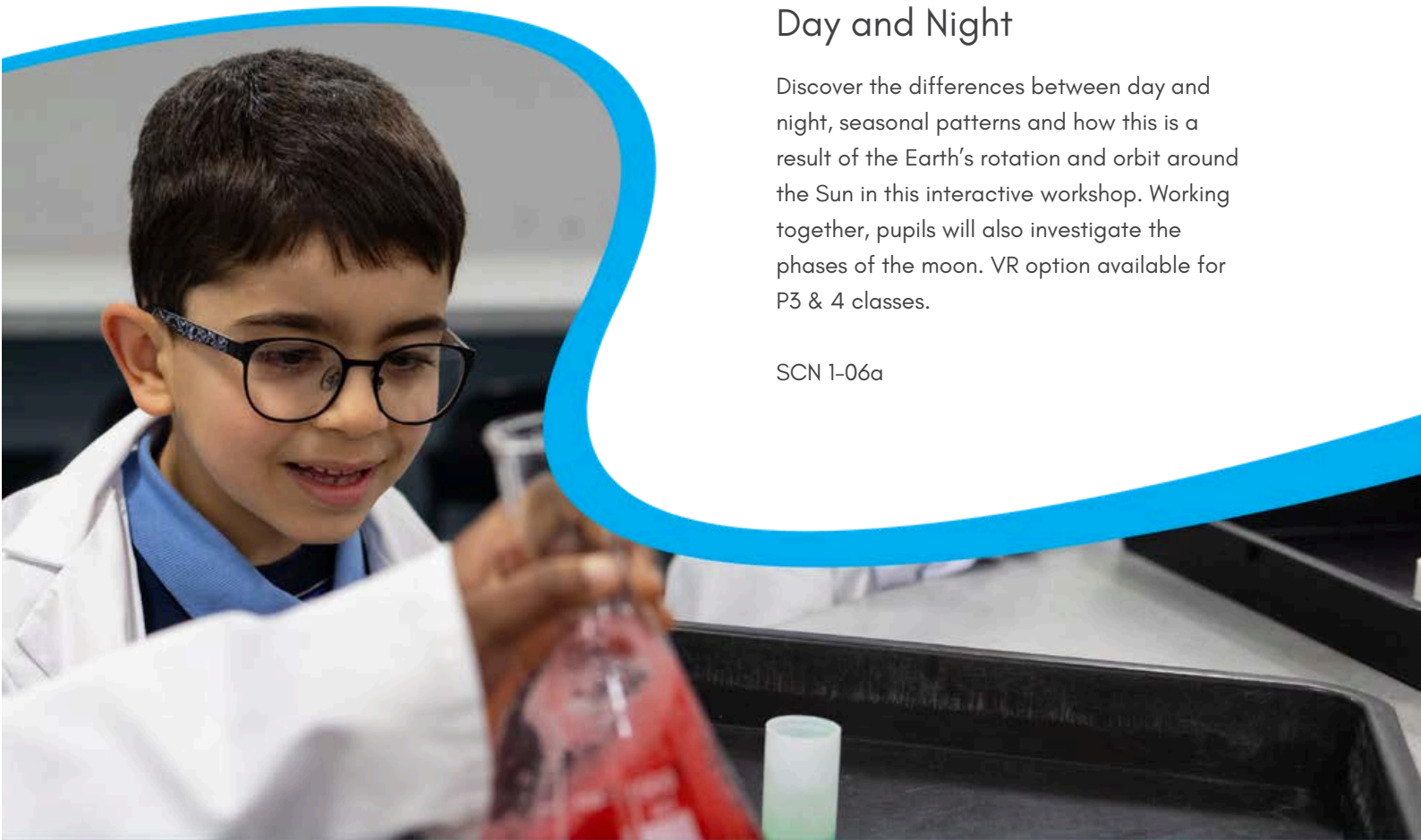
For classes P3+ Get a close up look at the planets on board our space station, then step out of the air lock to explore the solar system. After the VR content, pupils will create their own pocket map of the solar system to take home to remind them of the trip.

SCN 2-06a

Day and Night

Discover the differences between day and night, seasonal patterns and how this is a result of the Earth's rotation and orbit around the Sun in this interactive workshop. Working together, pupils will also investigate the phases of the moon. VR option available for P3 & 4 classes.

SCN 1-06a



Crime Scene Chemistry

Can your class help solve the case? In this workshop, pupils will discover how we can use science to solve crimes and have a go at analysing samples!

SCN 2-16a, SCN 2-19a, SCN 3-18a

From Gust to Grid

Get ready for an electrifying adventure! Pupils will build mini turbine generators and explore how we use the wind to power our gadgets at home. Sponsored by Thistle Wind Partners.

TCH 2-02a & SCN 3-04b

TWP THISTLE WIND PARTNERS

Bowdun Offshore Wind Farm

Circuits & Electronics

Spark your curiosity! Discover how electricity works and find out about the careers involved in its transmission in this workshop where pupils will create simple circuits and learn about the uses of different components. Sponsored by SSEN Transmission.

SCN 1-09a and SCN 2-09a

Scottish & Southern Electricity Networks
TRANSMISSION

Erupting Volcanoes

Journey into the ground beneath our feet in this chemistry based hands-on workshop where pupils will work in groups to build and erupt a volcano. VR option available for P3+ classes.

SCN 1-15a, SCN 2-17a, SCN 2-19a

Space for Planet Earth

Pupils will take part in hands-on activities to investigate how we use satellites to monitor our planet's climate and biodiversity. P5-7 pupils have the option of including VR and starting the session an Antarctic researcher.

SOC 1-12b, SCN 1-02a, SCN 1-20a, SCN 2-20a, SCN 2-20b

Experience the 'Story of Energy' show which uses the latest projection mapping technology, to provide an introduction to how having a mix of energy stores is shaped by people and our demand. Pupils can also have a go at keeping an imaginary Aberdeen from blacking out in our energy mix game. Suggested age groups P4 and up.

SCN 1-04a, SCN 2-04a, and SCN 2-04b

Water Cycle

Dive into the fascinating world of water with this hands-on workshop where your pupils will make a mini water cycle and investigate the processes involved in having clean, safe water in our taps. Brought to you by Scottish Water's Generation H2O programme.

SCN 1-05a, SCN 2-05a, SCN 2-18a

Digital

Learning Lab: Powering the Future

Aberdeen Science Centre are working with Glasgow Science Centre, Dundee Science Centre, Dynamic Earth, Life Science Centre, and Science Skills Academy to deliver Learning Lab: Powering the Future during the next school year.

Through exciting practical activities, pupils will discover renewable technologies and see that they have the skills needed for a future in the energy industry. We have two separate programmes, one for P5-7, and another for S1 & 2 classes which both run multiple times a year. Places are funded by OPITO, so taking part is free to schools, for more information, and to sign up, please get in touch at education@asc.scot or visit our website.

- As part of the project you will have access to:
- Lesson plans and worksheets
- Original video content
- Live interactions with scientists
- Twilight professional learning session
- Family learning activities
- A Science Centre visit

Loan materials

Aberdeen Science Centre has a variety of loan boxes available for schools to borrow at no cost, for periods of up to three weeks.

Bioblitz Box

Explore nature in your playground with our bioblitz box. Each box includes bug pots, binoculars, and ID guides as well as an activity pack for ideas on how to use the kit. To request this box, please email education@asc.scot

IR Camera Loan Box

Take a different look at the world around you with our infrared (IR) cameras. Designed to be used by secondary schools, or older primary pupils, this loan box will help you investigate infrared radiation, and it's applications in STEM. To book please email education@asc.scot

Magic Maths

Magic Maths boxes contain everything you need to have fun exploring maths topics such as probability, mental maths, 'mind-reading' maths and more! To request this box, please email info@asc.scot

Weather Watchers Box

Observe, measure, and record the weather conditions with your class using the kit in our weather watchers box and become meteorologists for the day! To request this box, please email education@asc.scot

Planet Protectors

Carry out experiments on air quality and soil properties with our Planet Protectors loan box. Each box includes a portable air quality monitor, a soil testing probe, and activity booklets filled with information and experiment ideas! To request this box, please email info@asc.scot

To keep up to date with the latest news, offers, and funding opportunities sign up to our newsletter here, and follow us on social media.

www.aberdeensciencecentre.org

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